

Figure 1

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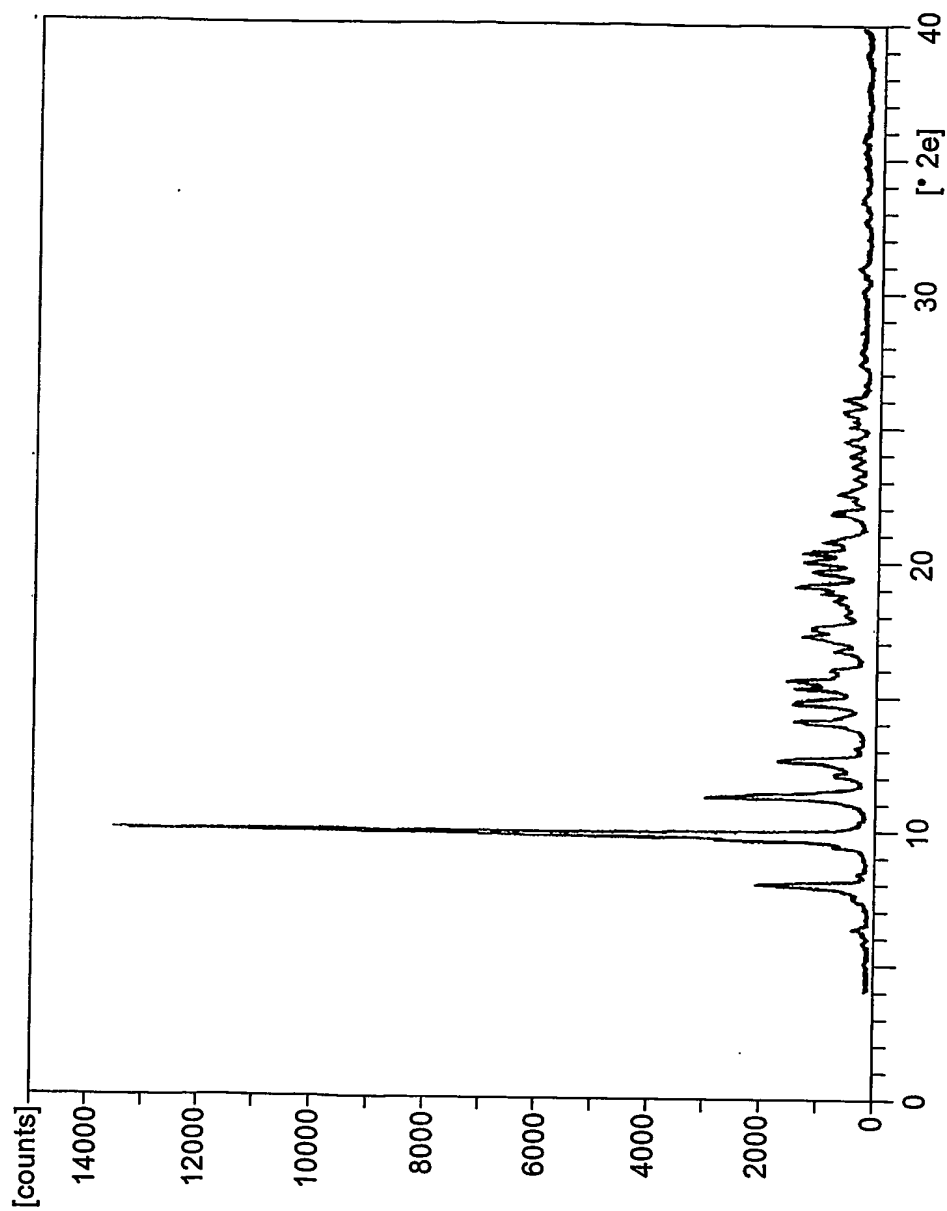


Figure 2

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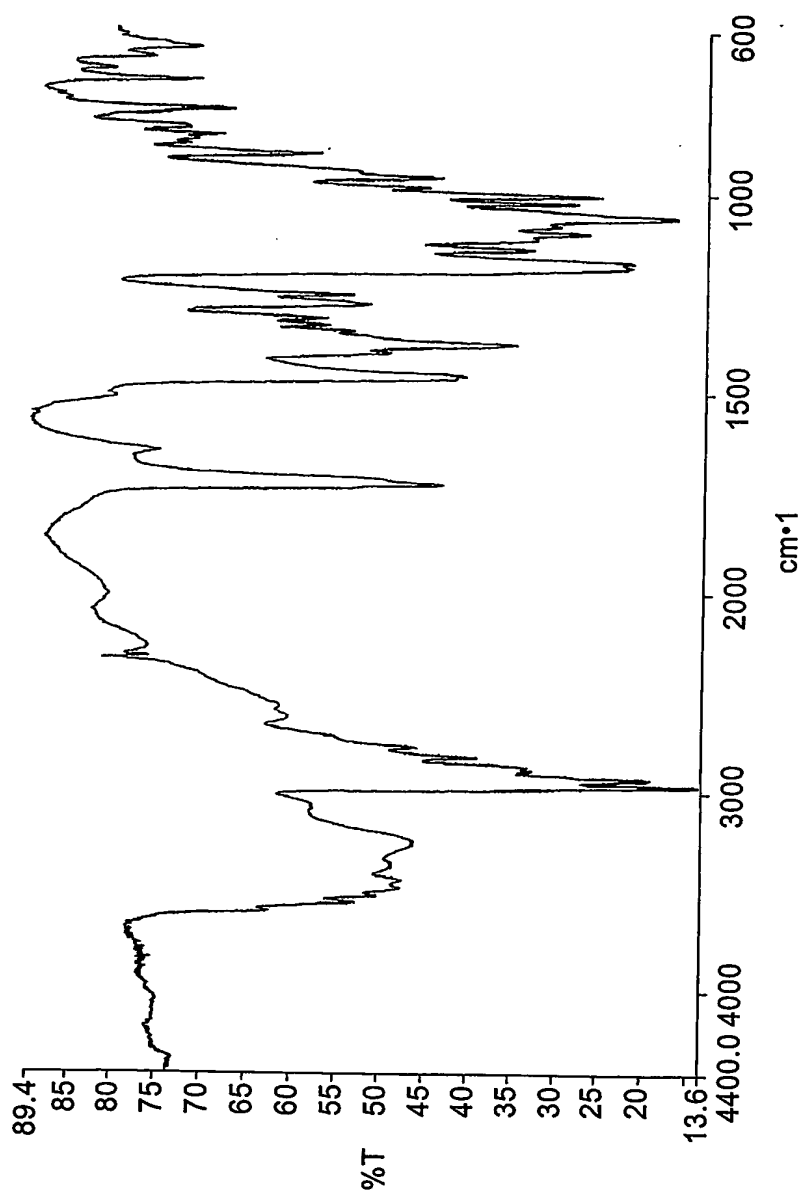
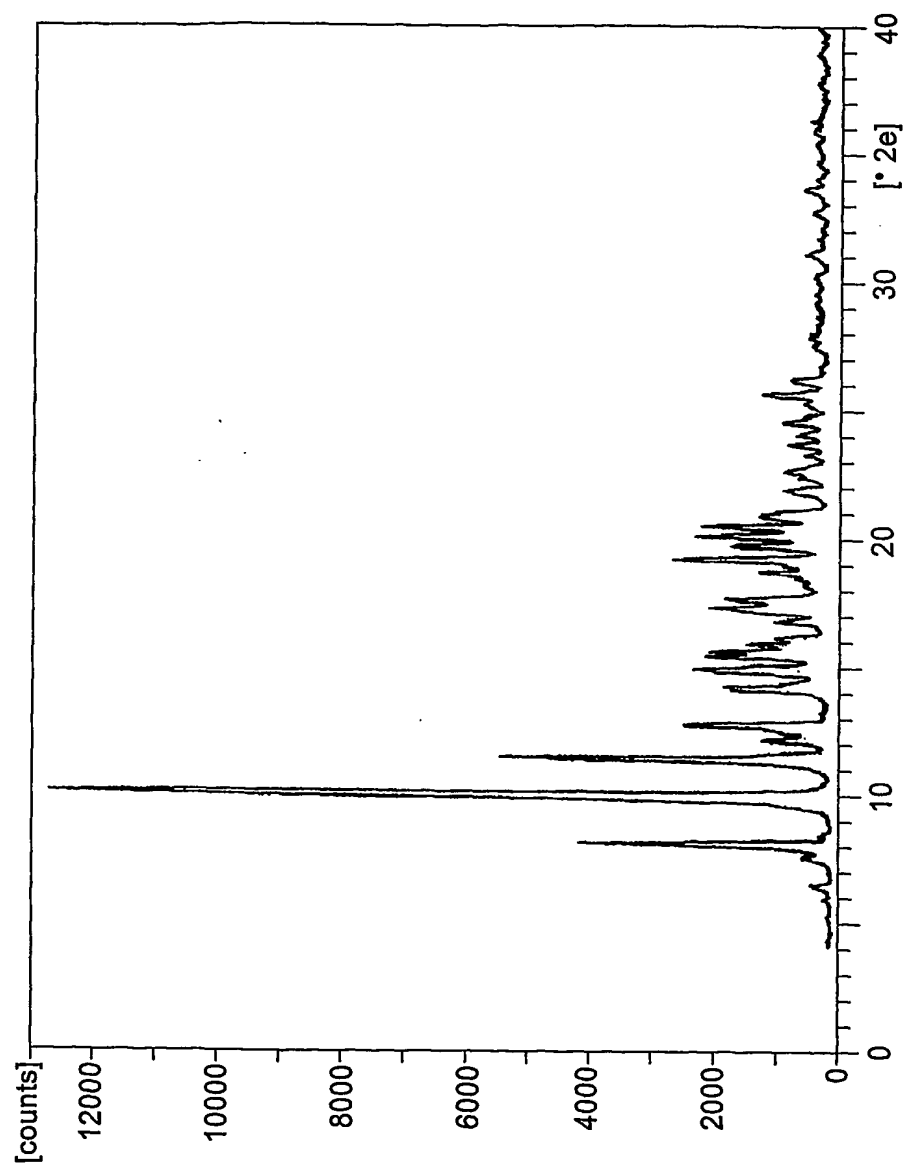


Figure 3

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**Figure 4**

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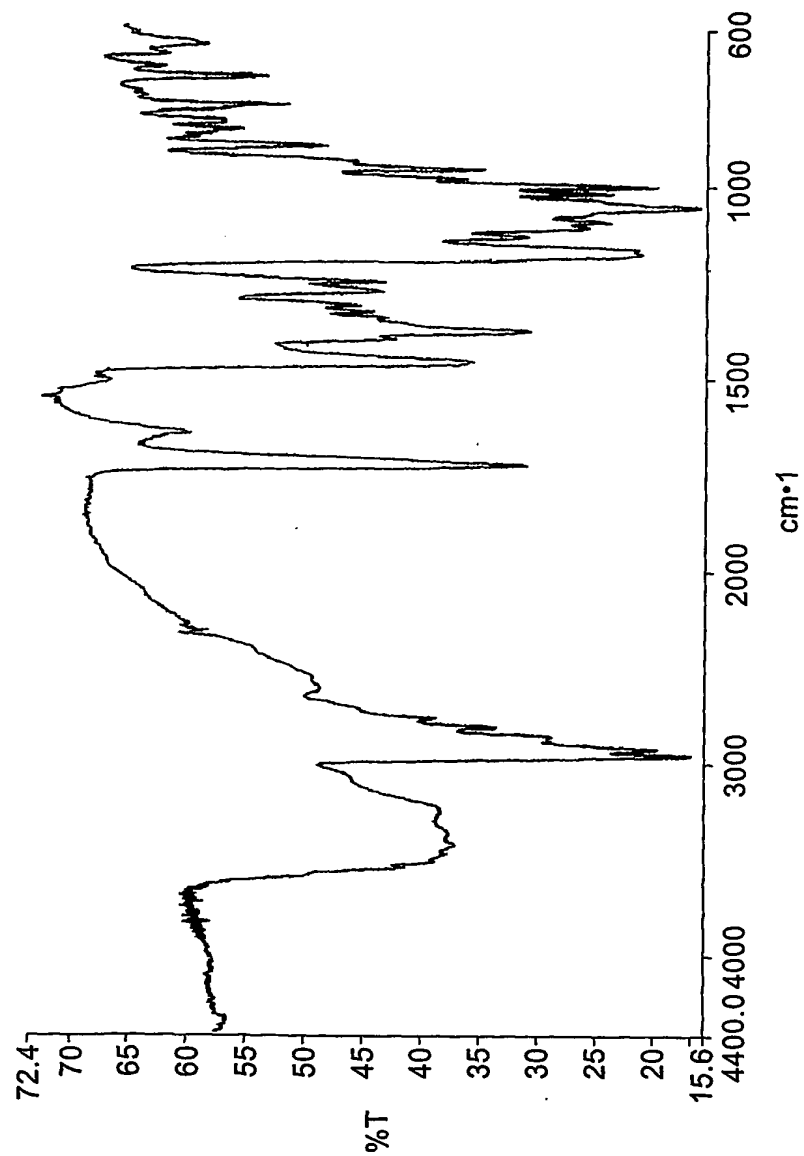


Figure 5

Azithromycin • (H<sub>2</sub>O)<sub>x</sub> • [isopropanol]<sub>y</sub> Single Crystal x-ray Diffraction Structure Information

X and Y Ratio	X = 1.5, y = 0.25	X = 1.5, y = 0.25	X = 0.75, y = 0.5
Crystallization condition	IPA with same volume of water	IPA with half volume of water	IPA with same minimum of water
Empirical Formula	C <sub>38.75</sub> H <sub>77</sub> N <sub>2</sub> O <sub>13.75</sub>	C <sub>38.75</sub> H <sub>77</sub> N <sub>2</sub> O <sub>13.75</sub>	C <sub>38.75</sub> H <sub>77</sub> N <sub>2</sub> O <sub>13.75</sub>
Formula Weight	791.02	791.02	792.54
Crystal System	Monoclinic	Monoclinic	Monoclinic
Space Group	P2(1)	P2(1)	P2(1)
Unit Cell Dimensions	a = 16.2441 (4)Å b = 16.1093(5)Å c = 18.4311(5)Å	a = 16.2484 (2)Å b = 16.1191(3)Å c = 18.4316(3)Å	a = 16.1702 (2)Å b = 15.9532(3)Å c = 18.4639(3)Å
Volume	4568.0(2)Å <sup>3</sup>	4570.68(13)Å <sup>3</sup>	4512.91(13)Å <sup>3</sup>
Z	4	4	4
Density (calculate)	1.150 Mg/m <sup>3</sup>	1.150 Mg/m <sup>3</sup>	1.166 Mg/m <sup>3</sup>
R indices (all data)	R1 = 0.1040, wR2 = 0.2109	R1 = 0.0864, wR2 = 0.1950	R1 = 0.0840, wR2 = 0.1824

Table 1